

10731518\_CLS1.txt  
Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10731518 on December 15, 2005

Original Classifications

52	715/513
21	707/102
15	707/3
10	707/101
9	707/10
9	715/523
8	707/100
6	707/104.1
6	709/203
6	719/319
5	707/2
5	707/5
5	709/223
4	707/1
4	707/6
4	715/501.1
3	704/270
3	707/203
3	709/217
3	709/219
3	713/167
2	235/379
2	345/419
2	434/350
2	706/21
2	707/103R
2	707/4
2	709/200
2	709/204
2	709/206
2	709/231
2	709/246
2	714/38
2	715/503
2	715/511
2	715/515
2	715/760
2	715/762
2	717/114
2	717/115
2	717/143

Cross-Reference Classifications

75	715/513
27	707/10
22	707/101
22	715/501.1
21	707/102
21	707/104.1
21	709/203
20	707/100
17	715/514
16	707/3
16	709/219
15	715/522
13	709/217
13	715/523
12	707/4

12 709/223  
 10 707/1  
 10 707/103R  
 10 707/5  
 10 709/246  
 8 707/6  
 8 709/227  
 8 715/530  
 7 705/26  
 7 707/2  
 7 709/218  
 7 709/230  
 7 715/516  
 7 715/517  
 7 719/329  
 6 709/201  
 6 715/500  
 6 715/762  
 6 717/114  
 6 717/143  
 6 719/313  
 5 704/270.1  
 5 704/275  
 5 707/203  
 5 715/511  
 5 715/515  
 5 715/760  
 5 715/764  
 4 704/260  
 4 705/71  
 4 707/200  
 4 709/200  
 4 709/206  
 4 709/249  
 4 713/176  
 4 717/116  
 4 717/124  
 4 719/328  
 3 370/466  
 3 379/88.17  
 3 380/273  
 3 380/277  
 3 380/286  
 3 380/44  
 3 705/51  
 3 705/76  
 3 707/201  
 3 709/202  
 3 709/213  
 3 709/226  
 3 709/229  
 3 713/155  
 3 713/161  
 3 713/165  
 3 713/166  
 3 713/170  
 3 713/182  
 3 713/189  
 3 715/500.1  
 3 715/524  
 3 715/526  
 3 715/708  
 3 717/100

3 717/115  
 3 717/140  
 3 717/144  
 3 718/100  
 3 719/331  
 2 348/207.99  
 2 348/552  
 2 434/118  
 2 434/307R  
 2 434/322  
 2 703/23  
 2 704/271  
 2 705/1  
 2 705/23  
 2 705/24  
 2 705/39  
 2 705/44  
 2 707/103Y  
 2 707/202  
 2 707/204  
 2 707/9  
 2 709/224  
 2 709/225  
 2 709/228  
 2 709/231  
 2 709/236  
 2 709/247  
 2 709/248  
 2 715/503  
 2 715/505  
 2 715/512  
 2 715/531  
 2 715/700  
 2 715/705  
 2 715/854  
 2 717/104  
 2 717/106  
 2 717/107  
 2 717/136  
 2 719/310  
 2 719/332

Combined Classifications

127 715/513  
 42 707/102  
 36 707/10  
 32 707/101  
 31 707/3  
 28 707/100  
 27 707/104.1  
 27 709/203  
 26 715/501.1  
 22 715/523  
 19 709/219  
 17 709/223  
 17 715/514  
 16 709/217  
 16 715/522  
 15 707/5  
 14 707/1  
 14 707/4  
 12 707/103R  
 12 707/2

12 707/6  
12 709/246  
9 709/227  
8 707/203  
8 709/218  
8 709/230  
8 715/516  
8 715/517  
8 715/530  
8 715/762  
8 717/114  
8 717/143  
7 705/26  
7 715/500  
7 715/511  
7 715/515  
7 715/760  
7 719/313  
7 719/329  
6 704/270.1  
6 704/275  
6 709/200  
6 709/201  
6 709/206  
6 719/319  
5 704/260  
5 715/764  
5 717/115  
4 704/270  
4 705/71  
4 707/200  
4 707/201  
4 709/202  
4 709/213  
4 709/231  
4 709/249  
4 713/176  
4 715/503  
4 715/526  
4 717/100  
4 717/116  
4 717/124  
4 717/144  
4 719/328  
3 370/466  
3 379/88.17  
3 380/273  
3 380/277  
3 380/286  
3 380/44  
3 705/51  
3 705/76  
3 707/103Y  
3 707/204  
3 707/9  
3 709/224  
3 709/225  
3 709/226  
3 709/228  
3 709/229  
3 713/155  
3 713/161  
3 713/165

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3 713/166  
3 713/167  
3 713/170  
3 713/182  
3 713/189  
3 715/500.1  
3 715/505  
3 715/524  
3 715/708  
3 715/854  
3 717/104  
3 717/107  
3 717/136  
3 717/140  
3 718/100  
3 719/331  
2 235/379  
2 345/419  
2 348/207.99  
2 348/552  
2 434/118  
2 434/307R  
2 434/322  
2 434/350  
2 703/22  
2 703/23  
2 704/235  
2 704/271  
2 705/1  
2 705/14  
2 705/23  
2 705/24  
2 705/39  
2 705/44  
2 706/21  
2 707/202  
2 707/8  
2 709/204  
2 709/205  
2 709/236  
2 709/245  
2 709/247  
2 709/248  
2 714/38  
2 715/512  
2 715/531  
2 715/700  
2 715/705  
2 715/805  
2 717/106  
2 717/137  
2 718/101  
2 718/102  
2 719/310  
2 719/311  
2 719/332

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10731518 on December 15, 2005

127	715/513	(52 OR, 75 XR)
	Class 715 :	DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT
	715/500	PRESENTATION PROCESSING OF DOCUMENT
	715/513	.Structured document (e.g., HTML, SGML, ODA, CDA)
42	707/102	(21 OR, 21 XR)
	Class 707 :	DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES
	707/100	DATABASE SCHEMA OR DATA STRUCTURE
	707/102	.Generating database or data structure (e.g., via user interface)
36	707/10	(9 OR, 27 XR)
	Class 707 :	DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES
	707/1	DATABASE OR FILE ACCESSING
	707/10	.Distributed or remote access
32	707/101	(10 OR, 22 XR)
	Class 707 :	DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES
	707/100	DATABASE SCHEMA OR DATA STRUCTURE
	707/101	.Manipulating data structure (e.g., compression, compaction, compilation)
31	707/3	(15 OR, 16 XR)
	Class 707 :	DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES
	707/1	DATABASE OR FILE ACCESSING
	707/3	.Query processing (i.e., searching)
28	707/100	(8 OR, 20 XR)
	Class 707 :	DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES
	707/100	DATABASE SCHEMA OR DATA STRUCTURE
27	707/104.1	(6 OR, 21 XR)
	Class 707 :	DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES
	707/100	DATABASE SCHEMA OR DATA STRUCTURE
	707/104.1	.Application of database or data structure (e.g., distributed, multimedia, image)
27	709/203	(6 OR, 21 XR)
	Class 709 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
	709/201	DISTRIBUTED DATA PROCESSING
	709/203	.Client/server
26	715/501.1	(4 OR, 22 XR)
	Class 715 :	DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT
	715/500	PRESENTATION PROCESSING OF DOCUMENT
	715/501.1	.Hypermedia
22	715/523	(9 OR, 13 XR)
	Class 715 :	DATA PROCESSING: PRESENTATION PROCESSING OF

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- 715/500 DOCUMENT  
715/517 PRESENTATION PROCESSING OF DOCUMENT  
715/523 .Layout  
..Format transformation
- 19 709/219 (3 OR, 16 XR)  
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
709/217 REMOTE DATA ACCESSING  
709/219 .Accessing a remote server
- 17 709/223 (5 OR, 12 XR)  
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
709/223 COMPUTER NETWORK MANAGING
- 17 715/514 (0 OR, 17 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
715/500 PRESENTATION PROCESSING OF DOCUMENT  
715/514 .Hierarchical control
- 16 709/217 (3 OR, 13 XR)  
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
709/217 REMOTE DATA ACCESSING
- 16 715/522 (1 OR, 15 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
715/500 PRESENTATION PROCESSING OF DOCUMENT  
715/517 .Layout  
715/522 ..Format information in separate file
- 15 707/5 (5 OR, 10 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/1 DATABASE OR FILE ACCESSING  
707/3 .Query processing (i.e., searching)  
707/5 ..Query augmenting and refining (e.g., inexact  
access)
- 14 707/1 (4 OR, 10 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/1 DATABASE OR FILE ACCESSING
- 14 707/4 (2 OR, 12 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/1 DATABASE OR FILE ACCESSING  
707/3 .Query processing (i.e., searching)  
707/4 ..Query formulation, input preparation, or  
translation
- 12 707/103R (2 OR, 10 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/100 DATABASE SCHEMA OR DATA STRUCTURE  
707/103R .Object-oriented database structure
- 12 707/2 (5 OR, 7 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE

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 MANAGEMENT OR DATA STRUCTURES  
 DATABASE OR FILE ACCESSING  
 .Access augmentation or optimizing

- 707/1  
 707/2
- 12 707/6 (4 OR, 8 XR)  
 Class 707 : DATA PROCESSING: DATABASE AND FILE  
 MANAGEMENT OR DATA STRUCTURES  
 707/1 DATABASE OR FILE ACCESSING  
 707/3 .Query processing (i.e., searching)  
 707/6 ..Pattern matching access
- 12 709/246 (2 OR, 10 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/246 COMPUTER-TO-COMPUTER DATA MODIFYING
- 9 709/227 (1 OR, 8 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/227 COMPUTER-TO-COMPUTER SESSION/CONNECTION  
 ESTABLISHING
- 8 707/203 (3 OR, 5 XR)  
 Class 707 : DATA PROCESSING: DATABASE AND FILE  
 MANAGEMENT OR DATA STRUCTURES  
 707/200 FILE OR DATABASE MAINTENANCE  
 707/201 .Coherency (e.g., same view to multiple users)  
 707/203 ..Version management
- 8 709/218 (1 OR, 7 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/217 REMOTE DATA ACCESSING  
 709/218 .Using interconnected networks
- 8 709/230 (1 OR, 7 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/230 COMPUTER-TO-COMPUTER PROTOCOL IMPLEMENTING
- 8 715/516 (1 OR, 7 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
 DOCUMENT  
 715/500 PRESENTATION PROCESSING OF DOCUMENT  
 715/514 .Hierarchical control  
 715/515 ..Compound document  
 715/516 ...Matching application process to displayed  
 data type
- 8 715/517 (1 OR, 7 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
 DOCUMENT  
 715/500 PRESENTATION PROCESSING OF DOCUMENT  
 715/517 .Layout
- 8 715/530 (0 OR, 8 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
 DOCUMENT  
 715/500 PRESENTATION PROCESSING OF DOCUMENT  
 715/530 .Edit, composition, or storage control
- 8 715/762 (2 OR, 6 XR)



- Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT  
 715/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)  
 715/762 .User interface development (e.g., GUI builder)
- 8 717/114 (2 OR, 6 XR)  
 Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT, INSTALLATION, AND MANAGEMENT  
 717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G., INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
 717/114 .Programming language
- 8 717/143 (2 OR, 6 XR)  
 Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT, INSTALLATION, AND MANAGEMENT  
 717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G., INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
 717/136 .Translation of code  
 717/140 ..Compiling code  
 717/141 ...Analysis of code form  
 717/143 ....Parsing, syntax analysis, and semantic analysis
- 7 705/26 (0 OR, 7 XR)  
 Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
 705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS PRACTICE OR MANAGEMENT ARRANGEMENT  
 705/26 .Electronic shopping (e.g., remote ordering)
- 7 715/500 (1 OR, 6 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT  
 715/500 PRESENTATION PROCESSING OF DOCUMENT
- 7 715/511 (2 OR, 5 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT  
 715/500 PRESENTATION PROCESSING OF DOCUMENT  
 715/511 .Version management
- 7 715/515 (2 OR, 5 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT  
 715/500 PRESENTATION PROCESSING OF DOCUMENT  
 715/514 .Hierarchical control  
 715/515 ..Compound document
- 7 715/760 (2 OR, 5 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT  
 715/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)  
 715/760 .Mark up language interface (e.g., HTML)
- 7 719/313 (1 OR, 6 XR)  
 Class 719 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: INTERPROGRAM COMMUNICATION OR INTERPROCESS COMMUNICATION (IPC)  
 719/313 INTERPROGRAM COMMUNICATION USING MESSAGE

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- 7 719/329 (0 OR, 7 XR)  
 Class 719 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: INTERPROGRAM COMMUNICATION OR INTERPROCESS  
 COMMUNICATION (IPC)  
 719/328 APPLICATION PROGRAM INTERFACE (API)  
 719/329 .Data transfer between application windows
- 6 704/270.1 (1 OR, 5 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
 COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/270 .Application  
 704/270.1 ..Speech assisted network
- 6 704/275 (1 OR, 5 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
 COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/270 .Application  
 704/275 ..Speech controlled system
- 6 709/200 (2 OR, 4 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/200 MISCELLANEOUS
- 6 709/201 (0 OR, 6 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/201 DISTRIBUTED DATA PROCESSING
- 6 709/206 (2 OR, 4 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/204 COMPUTER CONFERENCING  
 709/206 .Demand based messaging
- 6 719/319 (6 OR, 0 XR)  
 Class 719 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: INTERPROGRAM COMMUNICATION OR INTERPROCESS  
 COMMUNICATION (IPC)  
 719/319 DATA TRANSFER BETWEEN OPERATING SYSTEMS
- 5 704/260 (1 OR, 4 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
 COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/258 .Synthesis  
 704/260 ..Image to speech
- 5 715/764 (0 OR, 5 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
 DOCUMENT  
 715/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER  
 INTERFACE)  
 715/764 .On-screen workspace or object

- 5 717/115 (2 OR, 3 XR)  
 Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,

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717/100	INSTALLATION, AND MANAGEMENT
717/114	SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,
717/115	INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)
	.Programming language
	..Script

  

4	704/270	(3 OR, 1 XR)
	Class	704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
		LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
		COMPRESSION/DECOMPRESSION
	704/200	SPEECH SIGNAL PROCESSING
	704/270	.Application

  

4	705/71	(0 OR, 4 XR)
	Class	705 : DATA PROCESSING: FINANCIAL, BUSINESS
		PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
	705/50	BUSINESS PROCESSING USING CRYPTOGRAPHY
	705/64	.Secure transaction (e.g., EFT/POS)
	705/71	..Including key management

  

4	707/200	(0 OR, 4 XR)
	Class	707 : DATA PROCESSING: DATABASE AND FILE
		MANAGEMENT OR DATA STRUCTURES
	707/200	FILE OR DATABASE MAINTENANCE

  

4	707/201	(1 OR, 3 XR)
	Class	707 : DATA PROCESSING: DATABASE AND FILE
		MANAGEMENT OR DATA STRUCTURES
	707/200	FILE OR DATABASE MAINTENANCE
	707/201	.Coherency (e.g., same view to multiple users)

  

4	709/202	(1 OR, 3 XR)
	Class	709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
		SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
	709/201	DISTRIBUTED DATA PROCESSING
	709/202	.Processing agent

  

4	709/213	(1 OR, 3 XR)
	Class	709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
		SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
	709/213	MULTICOMPUTER DATA TRANSFERRING VIA SHARED
		MEMORY

  

4	709/231	(2 OR, 2 XR)
	Class	709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
		SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
	709/230	COMPUTER-TO-COMPUTER PROTOCOL IMPLEMENTING
	709/231	.Computer-to-computer data streaming

  

4	709/249	(0 OR, 4 XR)
	Class	709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
		SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
	709/249	MULTIPLE NETWORK INTERCONNECTING

  

4	713/176	(0 OR, 4 XR)
	Class	713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
		SYSTEMS: SUPPORT
	713/150	MULTIPLE COMPUTER COMMUNICATION USING
		CRYPTOGRAPHY
	713/168	.Particular communication authentication
		technique
	713/176	..Authentication by digital signature

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representation or digital watermark

- 4 715/503 (2 OR, 2 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
715/500 PRESENTATION PROCESSING OF DOCUMENT  
715/503 .Spreadsheet
- 4 715/526 (1 OR, 3 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
715/500 PRESENTATION PROCESSING OF DOCUMENT  
715/526 .Display processing
- 4 717/100 (1 OR, 3 XR)  
Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,  
INSTALLATION, AND MANAGEMENT  
717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,  
INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)
- 4 717/116 (0 OR, 4 XR)  
Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,  
INSTALLATION, AND MANAGEMENT  
717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,  
INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
717/114 .Programming language  
717/116 ..Object oriented
- 4 717/124 (0 OR, 4 XR)  
Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,  
INSTALLATION, AND MANAGEMENT  
717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,  
INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
717/124 .Testing or debugging
- 4 717/144 (1 OR, 3 XR)  
Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,  
INSTALLATION, AND MANAGEMENT  
717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,  
INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
  
717/136 .Translation of code  
717/140 ..Compiling code  
717/141 ...Analysis of code form  
717/144 ....Including graph or tree representation  
(e.g., abstract syntax tree or AST)
- 4 719/328 (0 OR, 4 XR)  
Class 719 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: INTERPROGRAM COMMUNICATION OR INTERPROCESS  
COMMUNICATION (IPC)  
719/328 APPLICATION PROGRAM INTERFACE (API)
- 3 370/466 (0 OR, 3 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/464 COMMUNICATION TECHNIQUES FOR INFORMATION  
CARRIED IN PLURAL CHANNELS  
370/465 .Adaptive  
370/466 ..Converting between protocols
- 3 379/88.17 (0 OR, 3 XR)  
Class 379 : TELEPHONIC COMMUNICATIONS  
379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

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- 379/88.17 .Interaction with an external nontelephone network (e.g., Internet)
- 3 380/273 (0 OR, 3 XR)  
 Class 380 : CRYPTOGRAPHY  
 380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY  
 380/270 .Wireless communication  
 380/273 ..Rekeying system
- 3 380/277 (0 OR, 3 XR)  
 Class 380 : CRYPTOGRAPHY  
 380/277 KEY MANAGEMENT
- 3 380/286 (0 OR, 3 XR)  
 Class 380 : CRYPTOGRAPHY  
 380/277 KEY MANAGEMENT  
 380/286 .Key escrow or recovery
- 3 380/44 (0 OR, 3 XR)  
 Class 380 : CRYPTOGRAPHY  
 380/277 KEY MANAGEMENT  
 380/44 .Having particular key generator
- 3 705/51 (0 OR, 3 XR)  
 Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
 705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY  
 705/51 .Usage protection of distributed data files
- 3 705/76 (0 OR, 3 XR)  
 Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
 705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY  
 705/64 .Secure transaction (e.g., EFT/POS)  
 705/76 ..Electronic credential
- 3 707/103Y (1 OR, 2 XR)  
 Class 707 : DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES  
 707/100 DATABASE SCHEMA OR DATA STRUCTURE  
 707/103R .Object-oriented database structure  
 707/103Y ..Object-oriented database structure processing
- 3 707/204 (1 OR, 2 XR)  
 Class 707 : DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES  
 707/200 FILE OR DATABASE MAINTENANCE  
 707/201 .Coherency (e.g., same view to multiple users)  
 707/204 ..Archiving or backup
- 3 707/9 (1 OR, 2 XR)  
 Class 707 : DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES  
 707/1 DATABASE OR FILE ACCESSING  
 707/9 .Privileged access
- 3 709/224 (1 OR, 2 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/223 COMPUTER NETWORK MANAGING

- 709/224 .Computer network monitoring
- 3 709/225 (1 OR, 2 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/223 COMPUTER NETWORK MANAGING  
 709/225 .Computer network access regulating
- 3 709/226 (0 OR, 3 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/223 COMPUTER NETWORK MANAGING  
 709/226 .Network resource allocating
- 3 709/228 (1 OR, 2 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/227 COMPUTER-TO-COMPUTER SESSION/CONNECTION  
 ESTABLISHING  
 709/228 .Session/connection parameter setting
- 3 709/229 (0 OR, 3 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/227 COMPUTER-TO-COMPUTER SESSION/CONNECTION  
 ESTABLISHING  
 709/229 .Network resources access controlling
- 3 713/155 (0 OR, 3 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: SUPPORT  
 713/150 MULTIPLE COMPUTER COMMUNICATION USING  
 CRYPTOGRAPHY  
 713/155 .Central trusted authority provides computer  
 authentication
- 3 713/161 (0 OR, 3 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: SUPPORT  
 713/150 MULTIPLE COMPUTER COMMUNICATION USING  
 CRYPTOGRAPHY  
 713/160 .Packet header designating cryptographically  
 protected data  
 713/161 ..Data authentication
- 3 713/165 (0 OR, 3 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: SUPPORT  
 713/150 MULTIPLE COMPUTER COMMUNICATION USING  
 CRYPTOGRAPHY  
 713/164 .Security kernel or utility  
 713/165 ..File protection
- 3 713/166 (0 OR, 3 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: SUPPORT  
 713/150 MULTIPLE COMPUTER COMMUNICATION USING  
 CRYPTOGRAPHY  
 713/164 .Security kernel or utility  
 713/166 ..Security levels
- 3 713/167 (3 OR, 0 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING

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		SYSTEMS: SUPPORT
713/150		MULTIPLE COMPUTER COMMUNICATION USING CRYPTOGRAPHY
713/164		.Security kernel or utility
713/167		..Object protection
3	713/170	(0 OR, 3 XR)
	Class	713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: SUPPORT
	713/150	MULTIPLE COMPUTER COMMUNICATION USING CRYPTOGRAPHY
	713/168	.Particular communication authentication technique
	713/170	..Authentication of an entity and a message
3	713/182	(0 OR, 3 XR)
	Class	713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: SUPPORT
	713/182	SYSTEM ACCESS CONTROL BASED ON USER IDENTIFICATION BY CRYPTOGRAPHY
3	713/189	(0 OR, 3 XR)
	Class	713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: SUPPORT
	713/189	DATA PROCESSING PROTECTION USING CRYPTOGRAPHY
3	715/500.1	(0 OR, 3 XR)
	Class	715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT
	715/500	PRESENTATION PROCESSING OF DOCUMENT
	715/500.1	.Synchronization of diverse media
3	715/505	(1 OR, 2 XR)
	Class	715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT
	715/500	PRESENTATION PROCESSING OF DOCUMENT
	715/505	.Form
3	715/524	(0 OR, 3 XR)
	Class	715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT
	715/500	PRESENTATION PROCESSING OF DOCUMENT
	715/517	.Layout
	715/524	..Detecting format code change
3	715/708	(0 OR, 3 XR)
	Class	715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT
	715/700	OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)
	715/705	.Help presentation
	715/708	..Context sensitive
3	715/854	(1 OR, 2 XR)
	Class	715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT
	715/700	OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)
	715/764	.On-screen workspace or object
	715/853	..Hierarchy or network structure
	715/854	...Navigation within structure

- 3 717/104 (1 OR, 2 XR)  
 Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,  
 INSTALLATION, AND MANAGEMENT  
 717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,  
 INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
 717/104 .Modeling
- 3 717/107 (1 OR, 2 XR)  
 Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,  
 INSTALLATION, AND MANAGEMENT  
 717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,  
 INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
 717/106 .Code generation  
 717/107 ..Component based
- 3 717/136 (1 OR, 2 XR)  
 Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,  
 INSTALLATION, AND MANAGEMENT  
 717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,  
 INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
 717/136 .Translation of code
- 3 717/140 (0 OR, 3 XR)  
 Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,  
 INSTALLATION, AND MANAGEMENT  
 717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,  
 INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
 717/136 .Translation of code  
 717/140 ..Compiling code
- 3 718/100 (0 OR, 3 XR)  
 Class 718 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 TASK SYSTEMS: VIRTUAL MACHINE TASK OR PROCESS MANAGEMENT OR  
 MANAGEMENT/CONTROL  
 718/100 TASK MANAGEMENT OR CONTROL
- 3 719/331 (0 OR, 3 XR)  
 Class 719 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: INTERPROGRAM COMMUNICATION OR INTERPROCESS  
 COMMUNICATION (IPC)  
 719/331 DYNAMIC LINKING, LATE BINDING
- 2 235/379 (2 OR, 0 XR)  
 Class 235 : REGISTERS  
 235/375 SYSTEMS CONTROLLED BY DATA BEARING RECORDS  
 235/379 .Banking systems
- 2 345/419 (2 OR, 0 XR)  
 Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
 INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS  
 345/418 COMPUTER GRAPHICS PROCESSING  
 345/419 .Three-dimension
- 2 348/207.99 (0 OR, 2 XR)  
 Class 348 : TELEVISION  
 348/207.99 CAMERA, SYSTEM AND DETAIL
- 2 348/552 (0 OR, 2 XR)  
 Class 348 : TELEVISION  
 348/552 COMBINED WITH DIVERSE ART DEVICE (E.G.,  
 COMPUTER, TELEPHONE)



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- 2 434/118 (0 OR, 2 XR)  
 Class 434 : EDUCATION AND DEMONSTRATION  
 434/118 COMPUTER LOGIC, OPERATION, OR PROGRAMMING  
 INSTRUCTION
  
- 2 434/307R (0 OR, 2 XR)  
 Class 434 : EDUCATION AND DEMONSTRATION  
 434/307R CATHODE RAY SCREEN DISPLAY AND AUDIO MEANS
  
- 2 434/322 (0 OR, 2 XR)  
 Class 434 : EDUCATION AND DEMONSTRATION  
 434/322 QUESTION OR PROBLEM ELICITING RESPONSE
  
- 2 434/350 (2 OR, 0 XR)  
 Class 434 : EDUCATION AND DEMONSTRATION  
 434/322 QUESTION OR PROBLEM ELICITING RESPONSE  
 434/350 .Response of plural examinees communicated to  
 monitor or recorder by electrical signals
  
- 2 703/22 (1 OR, 1 XR)  
 Class 703 : DATA PROCESSING: STRUCTURAL DESIGN,  
 MODELING, SIMULATION, AND EMULATION  
 703/13 SIMULATING ELECTRONIC DEVICE OR ELECTRICAL  
 SYSTEM  
 703/22 .Software program (i.e., performance  
 prediction)
  
- 2 703/23 (0 OR, 2 XR)  
 Class 703 : DATA PROCESSING: STRUCTURAL DESIGN,  
 MODELING, SIMULATION, AND EMULATION  
 703/23 EMULATION
  
- 2 704/235 (1 OR, 1 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
 COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/231 .Recognition  
 704/235 ..Speech to image
  
- 2 704/271 (0 OR, 2 XR)  
 Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,  
 LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO  
 COMPRESSION/DECOMPRESSION  
 704/200 SPEECH SIGNAL PROCESSING  
 704/270 .Application  
 704/271 ..Handicap aid
  
- 2 705/1 (0 OR, 2 XR)  
 Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
 PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
 705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS  
 PRACTICE OR MANAGEMENT ARRANGEMENT
  
- 2 705/14 (1 OR, 1 XR)  
 Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
 PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
 705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS  
 PRACTICE OR MANAGEMENT ARRANGEMENT  
 705/14 .Distribution or redemption of coupon, or  
 incentive or promotion program

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2	705/23	(0 OR, 2 XR)
	Class	705 : DATA PROCESSING: FINANCIAL, BUSINESS
		PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
	705/1	AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
		PRACTICE OR MANAGEMENT ARRANGEMENT
	705/16	.Including point of sale terminal or electronic
		cash register
	705/23	..Input by product or record sensing (weighing,
		scanner processing)
2	705/24	(0 OR, 2 XR)
	Class	705 : DATA PROCESSING: FINANCIAL, BUSINESS
		PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
	705/1	AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
		PRACTICE OR MANAGEMENT ARRANGEMENT
	705/16	.Including point of sale terminal or electronic
		cash register
	705/24	..Specified transaction journal output feature
		(e.g., printed receipt, voice output, etc.)
2	705/39	(0 OR, 2 XR)
	Class	705 : DATA PROCESSING: FINANCIAL, BUSINESS
		PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
	705/1	AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
		PRACTICE OR MANAGEMENT ARRANGEMENT
	705/35	.Finance (e.g., banking, investment or credit)
	705/39	..Including funds transfer or credit
		transaction
2	705/44	(0 OR, 2 XR)
	Class	705 : DATA PROCESSING: FINANCIAL, BUSINESS
		PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
	705/1	AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
		PRACTICE OR MANAGEMENT ARRANGEMENT
	705/35	.Finance (e.g., banking, investment or credit)
	705/39	..Including funds transfer or credit
		transaction
	705/44	...Requiring authorization or authentication
2	706/21	(2 OR, 0 XR)
	Class	706 : DATA PROCESSING: ARTIFICIAL INTELLIGENCE
	706/15	NEURAL NETWORK
	706/16	.Learning task
	706/21	..Prediction
2	707/202	(0 OR, 2 XR)
	Class	707 : DATA PROCESSING: DATABASE AND FILE
		MANAGEMENT OR DATA STRUCTURES
	707/200	FILE OR DATABASE MAINTENANCE
	707/201	.Coherency (e.g., same view to multiple users)
	707/202	..Recoverability
2	707/8	(1 OR, 1 XR)
	Class	707 : DATA PROCESSING: DATABASE AND FILE
		MANAGEMENT OR DATA STRUCTURES
	707/1	DATABASE OR FILE ACCESSING
	707/8	.Concurrency (e.g., lock management in shared
		database)
2	709/204	(2 OR, 0 XR)

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Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 709/204 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 COMPUTER CONFERENCING

2 709/205 (1 OR, 1 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 709/204 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/205 COMPUTER CONFERENCING  
 .Cooperative computer processing

2 709/236 (0 OR, 2 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 709/230 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/236 COMPUTER-TO-COMPUTER PROTOCOL IMPLEMENTING  
 .Computer-to-computer data framing

2 709/245 (1 OR, 1 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 709/245 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 COMPUTER-TO-COMPUTER DATA ADDRESSING

2 709/247 (0 OR, 2 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 709/246 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/247 COMPUTER-TO-COMPUTER DATA MODIFYING  
 .Compressing/decompressing

2 709/248 (0 OR, 2 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 709/248 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 MULTICOMPUTER SYNCHRONIZING

2 714/38 (2 OR, 0 XR)  
 Class 714 : ERROR DETECTION/CORRECTION AND FAULT  
 714/100 DETECTION/RECOVERY  
 DATA PROCESSING SYSTEM ERROR OR FAULT HANDLING

714/1 .Reliability and availability  
 714/25 ..Fault locating (i.e., diagnosis or testing)  
 714/37 ...Analysis (e.g., of output, state, or design)  
 714/38 ....Of computer software

2 715/512 (0 OR, 2 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
 715/500 DOCUMENT  
 715/512 PRESENTATION PROCESSING OF DOCUMENT  
 .Annotation control

2 715/531 (0 OR, 2 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
 715/500 DOCUMENT  
 715/530 PRESENTATION PROCESSING OF DOCUMENT  
 715/531 .Edit, composition, or storage control  
 ..Text

2 715/700 (0 OR, 2 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
 715/700 DOCUMENT  
 OPERATOR INTERFACE (E.G., GRAPHICAL USER  
 INTERFACE)

- 2 715/705 (0 OR, 2 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
 DOCUMENT  
 715/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER  
 INTERFACE)  
 715/705 .Help presentation
- 2 715/805 (1 OR, 1 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
 DOCUMENT  
 715/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER  
 INTERFACE)  
 715/764 .On-screen workspace or object  
 715/781 ..Window or viewpoint  
 715/804 ...Interwindow link or communication  
 715/805 ....On-screen link or communication (e.g., cue)
- 2 717/106 (0 OR, 2 XR)  
 Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,  
 INSTALLATION, AND MANAGEMENT  
 717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,  
 INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
 717/106 .Code generation
- 2 717/137 (1 OR, 1 XR)  
 Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,  
 INSTALLATION, AND MANAGEMENT  
 717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,  
 INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
 717/136 .Translation of code  
 717/137 ..Source-to-source programming language  
 translation
- 2 718/101 (1 OR, 1 XR)  
 Class 718 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 TASK SYSTEMS: VIRTUAL MACHINE TASK OR PROCESS MANAGEMENT OR  
 MANAGEMENT/CONTROL  
 718/100 TASK MANAGEMENT OR CONTROL  
 718/101 .Batch or transaction processing
- 2 718/102 (1 OR, 1 XR)  
 Class 718 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 TASK SYSTEMS: VIRTUAL MACHINE TASK OR PROCESS MANAGEMENT OR  
 MANAGEMENT/CONTROL  
 718/100 TASK MANAGEMENT OR CONTROL  
 718/102 .Process scheduling
- 2 719/310 (0 OR, 2 XR)  
 Class 719 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: INTERPROGRAM COMMUNICATION OR INTERPROCESS  
 COMMUNICATION (IPC)  
 719/310 MISCELLANEOUS
- 2 719/311 (1 OR, 1 XR)  
 Class 719 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: INTERPROGRAM COMMUNICATION OR INTERPROCESS  
 COMMUNICATION (IPC)  
 719/311 COMMON GATEWAY INTERFACE PROGRAM COMMUNICATION

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2 719/332 (0 OR, 2 XR)  
Class 719 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: INTERPROGRAM COMMUNICATION OR INTERPROCESS  
COMMUNICATION (IPC)  
719/331 DYNAMIC LINKING, LATE BINDING  
719/332 .Object oriented dynamic linking, late binding